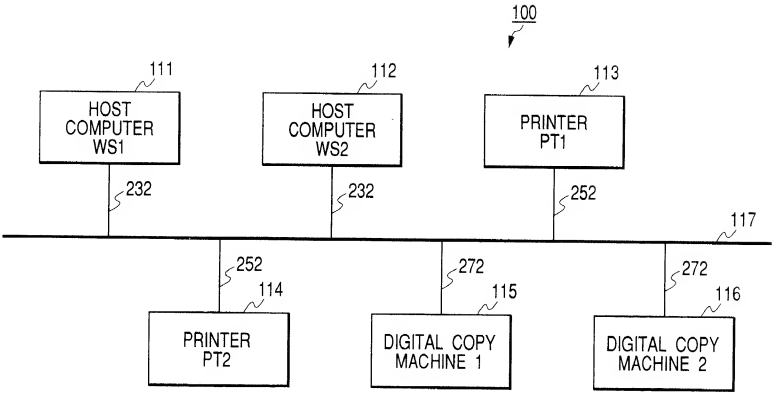
FIG. 1


100
111
HOST COMPUTER WS1
112
HOST COMPUTER WS2
113
PRINTER PT1
232
232
252
117
252
114
PRINTER PT2
272
115
DIGITAL COPY MACHINE 1
272
116
DIGITAL COPY MACHINE 2

TOSHIBA CTS62960

FIG. 2

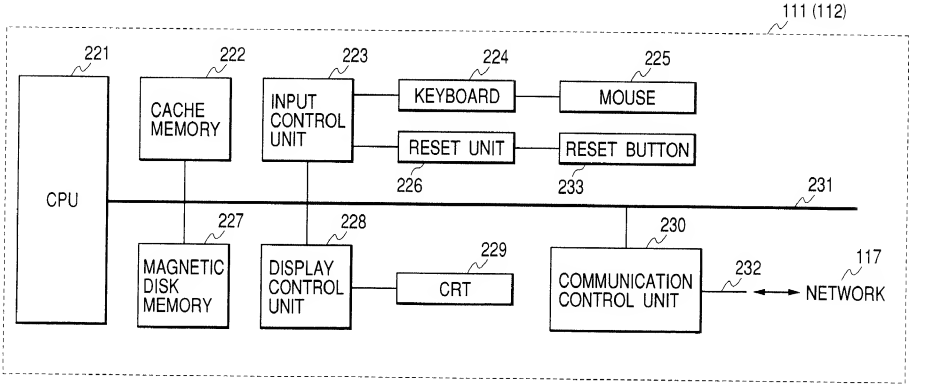


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FIG. 3

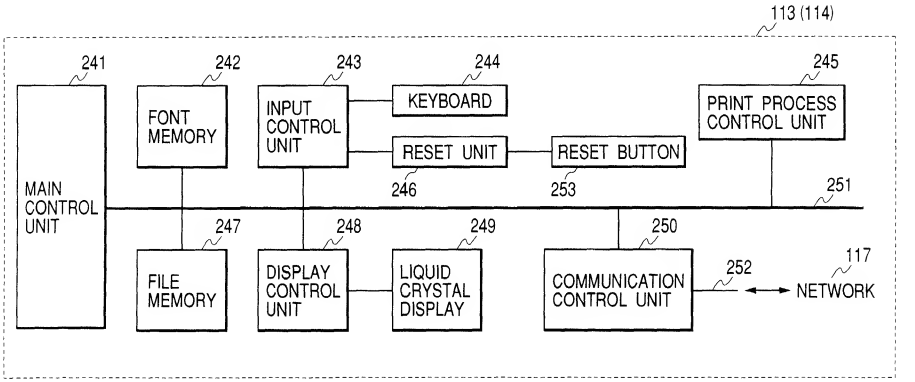

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FIG. 4

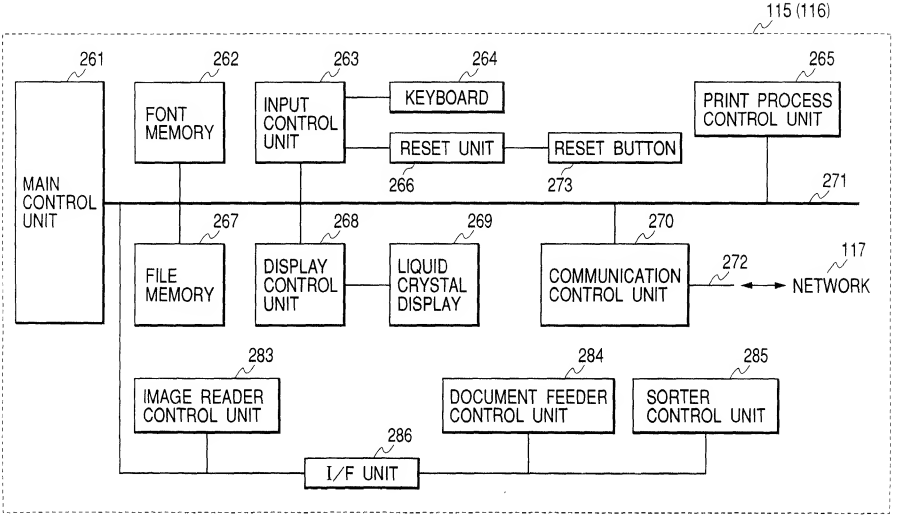

FIG. 5

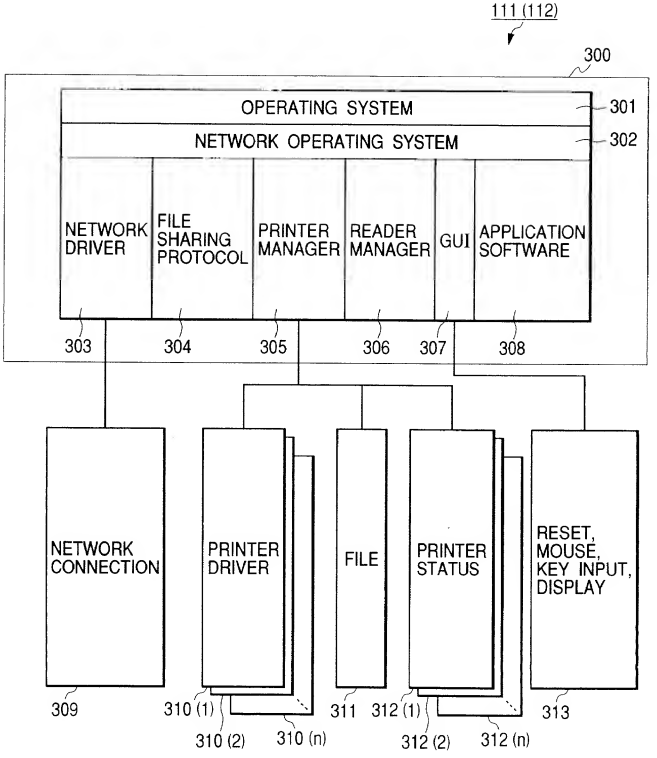
111 (112)
300
OPERATING SYSTEM
301
NETWORK OPERATING SYSTEM
302
NETWORK DRIVER
FILE SHARING PROTOCOL
PRINTER MANAGER
READER MANAGER
GUI
APPLICATION SOFTWARE
303
304
305
306
307
308
NETWORK CONNECTION
PRINTER DRIVER
FILE
PRINTER STATUS
RESET, MOUSE, KEY INPUT, DISPLAY
309
310 (1)
310 (2)
310 (n)
311
312 (1)
312 (2)
312 (n)
313

FIG. 6

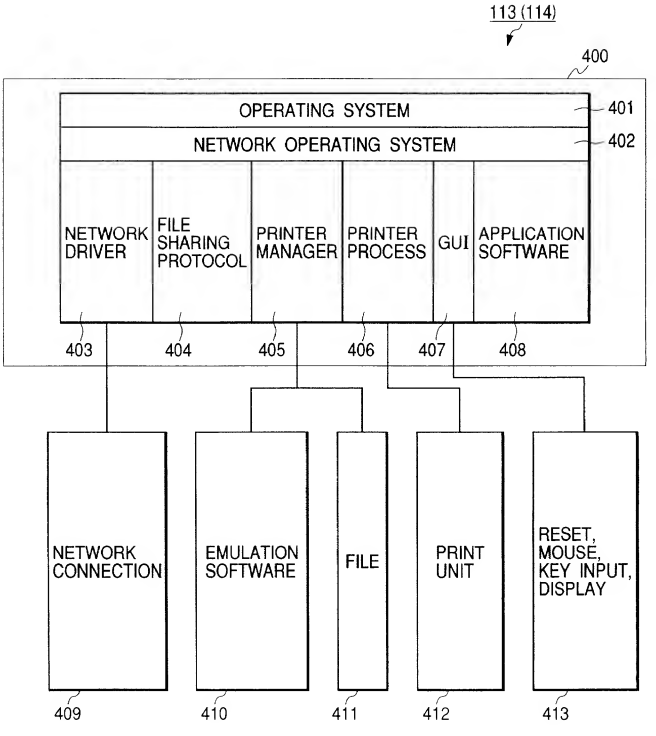
113 (114)
400
OPERATING SYSTEM
401
NETWORK OPERATING SYSTEM
402
NETWORK DRIVER
FILE SHARING PROTOCOL
PRINTER MANAGER
PRINTER PROCESS
GUI
APPLICATION SOFTWARE
403
404
405
406
407
408
NETWORK CONNECTION
EMULATION SOFTWARE
FILE
PRINT UNIT
RESET, MOUSE, KEY INPUT, DISPLAY
409
410
411
412
413

FIG. 7

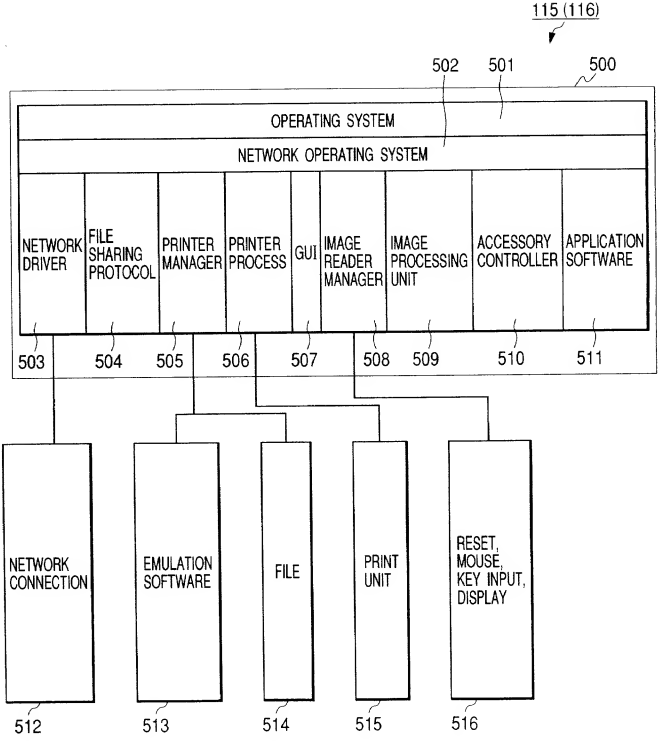
115 (116)
502
501
500
OPERATING SYSTEM
NETWORK OPERATING SYSTEM
NETWORK DRIVER
FILE SHARING PROTOCOL
PRINTER MANAGER
PRINTER PROCESS
GUI
IMAGE READER MANAGER
IMAGE PROCESSING UNIT
ACCESSORY CONTROLLER
APPLICATION SOFTWARE
503
504
505
506
507
508
509
510
511
NETWORK CONNECTION
EMULATION SOFTWARE
FILE
PRINT UNIT
RESET, MOUSE, KEY INPUT, DISPLAY
512
513
514
515
516

FIG. 8

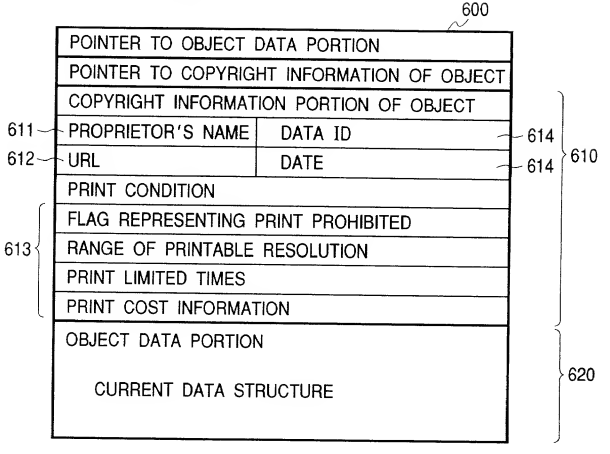

FIG. 9

Print=Yes ;
Resolution=72—300 ;
Coupons=15 ;
Charge=4.75 ;

TOOTHO' CT6626860

FIG. 10

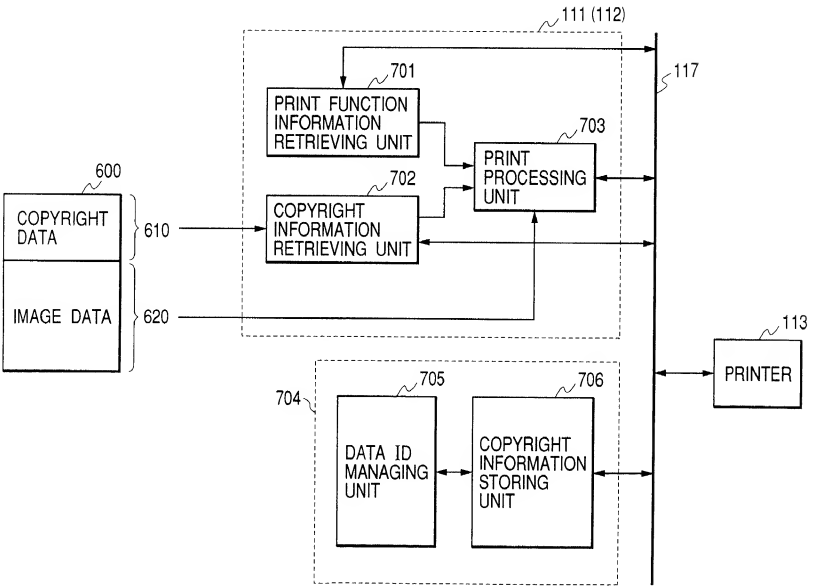

FIG. 11

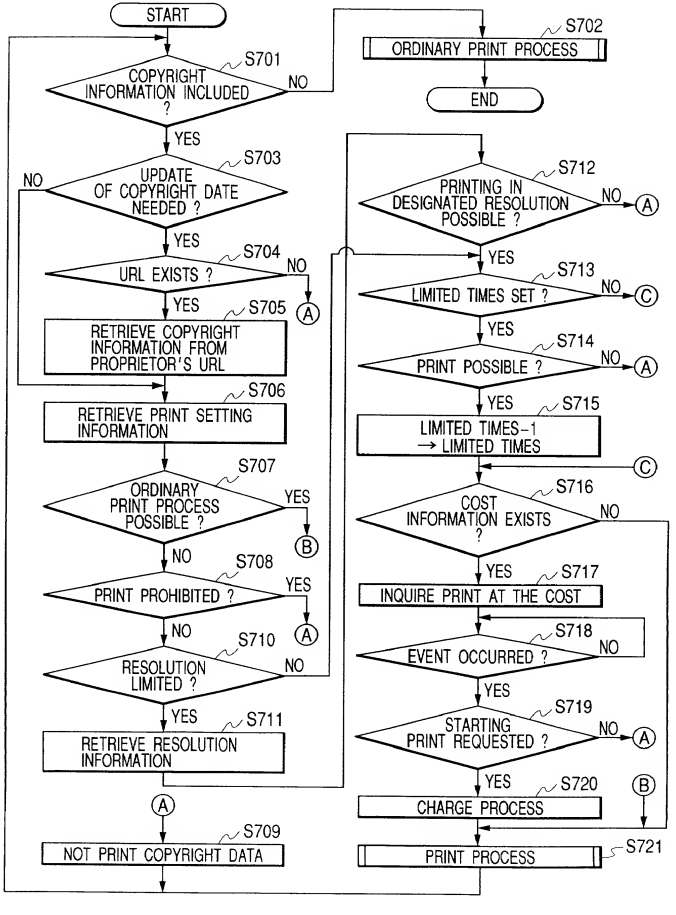
START
S701
COPYRIGHT INFORMATION INCLUDED ?
NO
YES
S703
UPDATE OF COPYRIGHT DATE NEEDED ?
NO
YES
S704
URL EXISTS ?
NO
YES
S705
RETRIEVE COPYRIGHT INFORMATION FROM PROPRIETOR'S URL
S706
RETRIEVE PRINT SETTING INFORMATION
S707
ORDINARY PRINT PROCESS POSSIBLE ?
YES
NO
S708
PRINT PROHIBITED ?
YES
NO
S710
RESOLUTION LIMITED ?
NO
YES
S711
RETRIEVE RESOLUTION INFORMATION
A
S709
NOT PRINT COPYRIGHT DATA
S702
ORDINARY PRINT PROCESS
END
S712
PRINTING IN DESIGNATED RESOLUTION POSSIBLE ?
NO
YES
S713
LIMITED TIMES SET ?
NO
YES
S714
PRINT POSSIBLE ?
NO
YES
S715
LIMITED TIMES-1 → LIMITED TIMES
C
S716
COST INFORMATION EXISTS ?
NO
YES
S717
INQUIRE PRINT AT THE COST
S718
EVENT OCCURRED ?
NO
YES
S719
STARTING PRINT REQUESTED ?
NO
YES
S720
CHARGE PROCESS
B
S721
PRINT PROCESS

FIG. 12

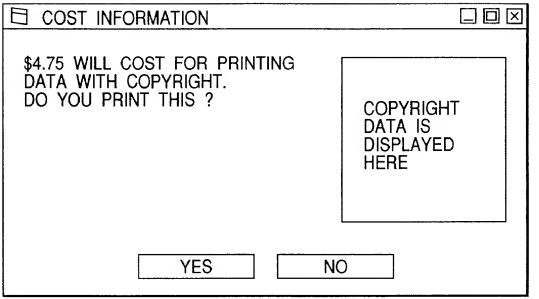

FIG. 13

USER'S NAME	CHARGE STATUS
A	13.75
B	2.25
C	5.10